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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/771,328

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Hiromi Tabuchi

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EXAMINER

KEMMERLE III, RUSSELL J

ART UNIT

PAPER NUMBER

1791

NOTIFICATION DATE

DELIVERY MODE

12/15/2008

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary	Application No. 10/771,328	Applicant(s) TABUCHI ET AL.	
	Examiner RUSSELL J. KEMMERLE III	Art Unit 1791	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 September 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4 and 6-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4 and 6-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

Claims 1, 2 and 4-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Noe (US Patent 5,494,055) in view of Miyauchi (US Published Application 2002/0,074,007) and Le Gars (US Patent 5,143,099).

Noe teaches a rod shaped filler including tobacco, an inner wrapper surrounding the rod shaped filler, an outer wrapper surrounding the inner wrapper, and a perfume layer in between the inner and outer wrapper that weakens the odor of the sidestream smoke (claim 1). Noe further discloses covering the entire surface of the inner wrapper with the perfume material (Col 4 lines 30-40). Noe discloses that the perfume material be a microcapsule which is considered to be a grain or powder (Col 4 lines 40-50).

Noe does not expressly teach that the perfume emitting layer contain a glue for carrying the perfume material.

Miyauchi discloses a method of improving the smell of a sidestream smoke of tobacco, where a perfume material is used to improve the smell, and a polyvinyl acetate glue may be used as the carrier for the perfume material (abstract).

It would have been obvious to one of ordinary skill in the art, at the time of invention by applicant, to have modified the method taught by Noe of forming a cigarette by using the method taught by Miyauchi of using polyvinyl acetate glue as the carrier for

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the perfume material. This would have been obvious because Miyauchi discloses that such glue is helpful in adhering a perfume material to a cigarette wrapper.

Le Gars discloses a double wrapped cigarette which results in less spotting, and specifically recommends that the inner wrapper have a width corresponding exactly to the cigarette circumference, so that there is no overlap (Col 2 lines 59-66).

Thus, it would have been further obvious to one of ordinary skill in the art, at the time of invention by applicant, to have modified the cigarette of Noe and Miyauchi as discussed above by using an inner wrapper which corresponds exactly to the circumference of the cigarette and has no overlap when formed. This would have been obvious because Le Gars discloses this as a way of reducing the spotting on a cigarette.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Noe in view of Miyauchi, Le Gars and Baker (US Patent 4,624,268)

Noe Miyauchi and Le Gars are relied upon as discussed above, but do not expressly teach the use of an additive for reducing the sidestream smoke.

Baker teaches that sidestream smoke may be reduced by the use of chemicals added to the cigarette paper (abstract).

It would have been obvious to one of ordinary skill in the art, at the time of invention by applicant, to have modified the invention taught by Noe in view of Miyauchi as discussed above, by adding the sidestream smoke reducing chemicals of Baker to the cigarette paper. This would have been obvious in order to achieve the desired result of reduced sidestream smoke.

Claims 6-8, and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Noe in view of Miyauchi, Le Gars and Lowman (US Patent 2,999,520)

Referring to claim 6, Noe teaches a machine for manufacturing double wrapper cigarettes having a first and second path for inner and outer wrappers, a wrapping section, a perfume supply device supplying perfume to one of the webs between the webs to weaken the odor of sidestream smoke, and covering the entire inner surface of the inner wrapper (Col 4 lines 10-50).

Noe does not specifically disclose a glue for carrying the perfume material, or a cutting section for cutting sections of a predetermined length.

Miyauchi discloses polyvinyl acetate glue as a good carrier of perfume materials (abstract).

Lowman teaches a cigarette machine that involves a cutter for creating sections of a predetermined length (Col 2 lines 50-53).

It would have been obvious to one of ordinary skill in the art, at the time of invention by applicant, to modify the manufacturing machine of Noe by further incorporating the glue of Miyauchi to carry the perfume material. This would have been obvious because Miyauchi discloses that the use of such a glue as a carrier for a perfume material is effective in reducing sidestream smoke. It would have been further obvious to use a cutter such as the one taught by Lowman since such a device is necessary for processing cigarettes into the desired size.

Referring to claims 7 and 8, Noe further discloses applying glue and spraying (diffusing) (Col 4 lines 10-50), which would require the use of a nozzle.

Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Noe in view of Miyauchi, Lowman, Le Gars, Marchese (US Patent 2,320,702) and Eckstein (US Published Application 2001/0,009,938).

Noe, Miyauchi, Lowman and Le Gars are relied upon as discussed above, but fail to specifically teach using brush rollers to apply the perfume material and to remove any excess from the web.

Eckstein teaches that brush coating is customary in the paper industry (paragraph 110).

Marchese teaches the removal of a surplus material from a carrier using a brush roller (Page 2, Col 2 lines 48-52).

It would have been obvious to one of ordinary skill in the art, at the time of invention by applicant, to modify the method taught by Noe, Miyauchi and Lowman as discussed above, by using a brush to coat the perfume material onto the web, and to then later use a brush roller to remove any excess perfume material as taught by Eckstein and Marchese, respectively. This would have been obvious because these are taught to effective means of getting a desired quantity and quality of a coating material on a carrier.

Response to Arguments

Applicant's arguments filed 5 September 2008 have been fully considered but they are not persuasive.

Applicants argue that Noe does not clearly state whether the aroma mixture in the microcapsule is in powder or grain form.

This is not found to be persuasive because Noe teaches that a mixture of aromatic compounds are combined (such as those listed at Col 2 line 50 – Col 3 line14) are mixed and this mixture can then be formed into microcapsules. It is this product (the microcapsule) which is considered to be analogous to the “perfume material” of the current invention. Applicant’s argument that Noe does not disclose the form of the aroma mixture within the capsule is not found to be persuasive because the microcapsules are interpreted to be the “perfume material” of Noe, and microcapsules are generally of such a nature that they could be classified as a grain or powder. It is further noted that Noe discloses that a slurry containing the microcapsules may be formed and dried through known processes such as spray-drying, which is a common method of making a powder from a material contained in a slurry (Col 6 lines 34-37).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RUSSELL J. KEMMERLE III whose telephone number is (571)272-6509. The examiner can normally be reached on Monday through Thursday, 7:00-5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571-272-1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Steven P. Griffin/
Supervisory Patent Examiner, Art
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/R. J. K./
Examiner, Art Unit 1791